

Discrete Applied Mathematics
Volume 142, Issues 1–3, 15 August 2004

Boolean and Pseudo-Boolean Functions

Edited by:
Peter L. Hammer

Contents

<i>E. Boros, V.A. Gurvich, L. Khachiyan and K. Makino</i> Dual-bounded generating problems: weighted transversals of a hypergraph	1
<i>J. Chen and I.A. Kanj</i> Improved exact algorithms for MAX-SAT	17
<i>M. Couceiro and S. Foldes</i> Definability of Boolean function classes by linear equations over $\text{GF}(2)$	29
<i>S. Foldes and G.R. Pogosyan</i> Post classes characterized by functional terms	35
<i>S. Foldes and P.L. Hammer</i> Disjunctive analogues of submodular and supermodular pseudo-Boolean functions	53
<i>C. Gröpl, H. Jürgen Prömel and A. Srivastav</i> Ordered binary decision diagrams and the Shannon effect	67
<i>F.K. Hwang, J.S. Lee and U.G. Rothblum</i> Permutation polytopes corresponding to strongly supermodular functions	87
<i>L.M. Hvattum, A. Løkketangen and F. Glover</i> Adaptive memory search for Boolean optimization problems	99
<i>S.O. Kuznetsov</i> Complexity of learning in concept lattices from positive and negative examples	111
<i>T. Xia, J. Seberry, J. Pieprzyk and C. Charnes</i> Homogeneous bent functions of degree n in $2n$ variables do not exist for $n > 3$	127
<i>J. Zhang, Y. Ye and Q. Han</i> Improved approximations for max set splitting and max NAE SAT	133



This journal is part of **ContentsDirect**, the **free** alerting service which sends table of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>

<i>T. Horiyama and T. Ibaraki</i>	
Reasoning with ordered binary decision diagrams	151
<i>H. Ono, M. Yagiura and T. Ibaraki</i>	
A decomposability index in logical analysis of data	165
<i>R.A. Servedio</i>	
Monotone Boolean formulas can approximate monotone linear threshold functions	181
<i>T. Ünlüyurt</i>	
Sequential testing of complex systems: a review	189
Author index to volume 142	207